

Click on images to
enlarge.

U.S. Army Influenza Activity Report

Week Ending 5 December 2015 (Week 48)

2015-2016 Seasonal Influenza Vaccination Coverage

As of 11 December 2015
(Click for detail)

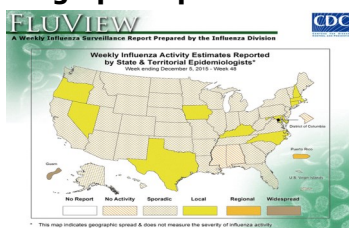
84%	DOD*
90%	Army Active Duty
88%	Army Guard
72%	Army Reserve

*Source: DHA

SYNOPSIS: Influenza-like illness activity has increased significantly since the last report. All positive influenza A specimens reported during week 48 were among the non-active duty population.

- **ILI Activity:** Army incident ILI outpatient visits in week 48 were 49% higher than the same week last year.
- **Influenza cases:** No hospitalized influenza cases were reported to APHC(P) through DRSi in week 48. Three hospitalized cases have been reported to date this season.
- **Viral specimens:** During week 48, 96 of 834 (12%) laboratory specimens tested positive for respiratory pathogens. RHC-A, RHC-C, and RHC-P reported the most influenza A–positive specimens (2 each), followed by RHC-E and CENTCOM which each reported 1 specimen. This was CENTCOM's first positive report for the season.

Geographic Spread

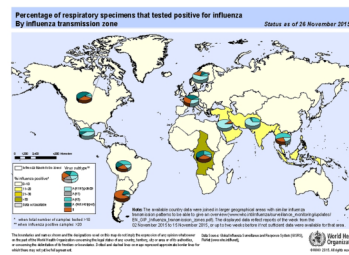


United States

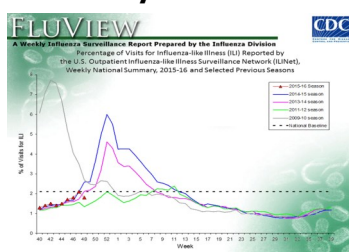
- In week 48, widespread and regional influenza activity was reported in Guam and Puerto Rico. Ten states reported local influenza activity, while 37 states and the US Virgin Islands reported sporadic. No influenza activity was reported by the District of Columbia and three states.

World Health Organization

- As of 7 Dec, media sources report 33 deaths and 600 hospitalizations in Iran attributed to H1N1 influenza. Pakistan has also seen an increase of H1N1 pdm09 cases; 10 cases have been identified in 2 districts.

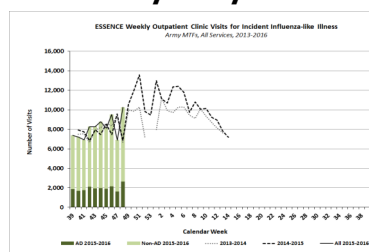


ILI Activity United States



- Nationwide during week 48, 1.8% of outpatient visits reported in ILINet were due to ILI, which is below the national baseline of 2.1%.
- The percentage of ILI outpatient visits ranged from 0.6% to 4.3% across the regions reporting.

ILI Activity Army



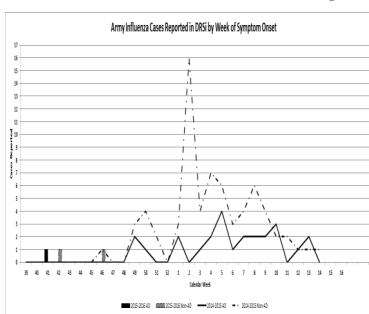
- During week 48, incident ILI activity was 49% higher than the same time last year and 54% higher than week 48 in 2013-2014.
- AD SMs accounted for 26% of incident ILI clinic visits during week 48; in 2014-2015, AD SMs comprised 25% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2015-16					
Test Result	Week 45	Week 46	Week 47	Week 48	Season Total
Influenza A	6	9	5	8	55
Influenza B	0	4	3	5	28
Adenovirus	6	16	6	8	65
Enterovirus	1	1	0	0	6
Parainfluenza	11	12	11	9	133
RSV	47	56	80	66	434
Negative	589	658	526	738	5425
Total Results	660	756	631	834	6146

- In week 48, 12% (96) of specimens tested positive.
- Influenza A accounted for 8% of positive specimens.
- RSV accounted for 69% of positive specimens, parainfluenza for 9%, and adenovirus for 8%.
- Influenza B accounted for 5% of positive specimens.

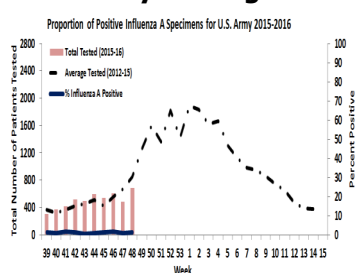
DRSi Influenza Case Reporting



- In week 48, no cases of influenza-associated hospitalization were reported in DRSi.
- At the same time last influenza season, one hospitalized influenza case was reported. A total of 3* hospitalized cases have been reported to date this season.

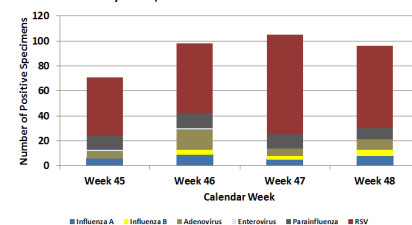
*A total of 4 cases was mentioned in the last report; one of these cases was entered in error.

Laboratory Testing for Influenza A



- In week 48, 8 of 684 (1.2%) specimens tested positive for influenza A. This was a slight increase from week 48 (1%). All (100%) of the positive influenza A specimens were in non-active duty personnel, mainly among individuals less than 18 years of age.
- RHC-A, RHC-C, and RHC-P each reported 2 (25%) of the total influenza A–positive specimens. RHC-E and CENTCOM each reported one 1 influenza A–positive specimen. This was CENTCOM's first positive report for the season.

Positive Respiratory Specimen Results from Army MTFs by Virus, 2015-2016 Influenza Season



Additional Resources: [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Global Influenza Surveillance Program](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#); [WHO](#)
Key: ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV- Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

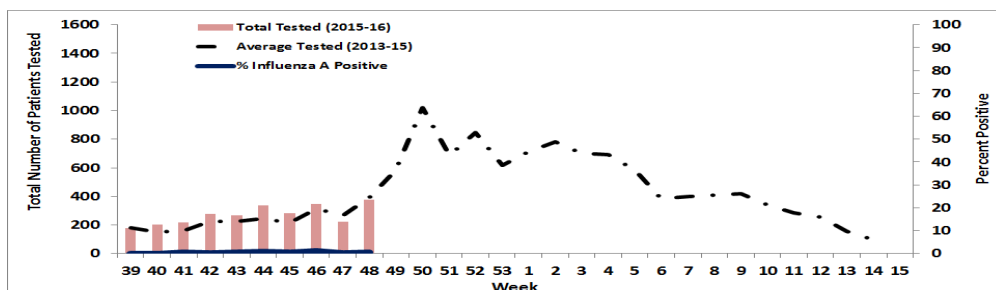
Questions?

Email APHC-DEP
410-417-3774

U.S. Army Influenza Activity Report

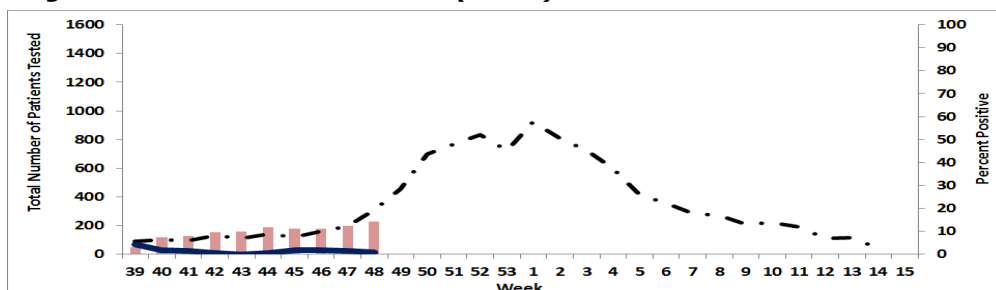
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2015-2016 as Compared to 2014-2015

Regional Health Command - Atlantic (RHC-A)



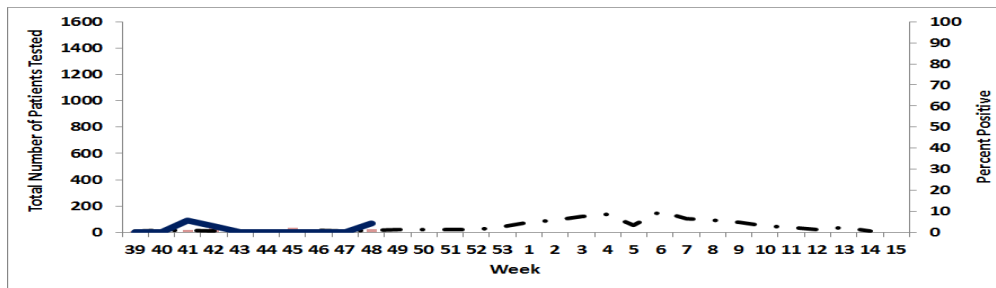
Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	10
18-29	0	0	1
30-39	0	0	1
40-49	0	0	1
50-59	0	0	1
60+	0	0	2
Total	0	2	16

Regional Health Command - Central (RHC-C)



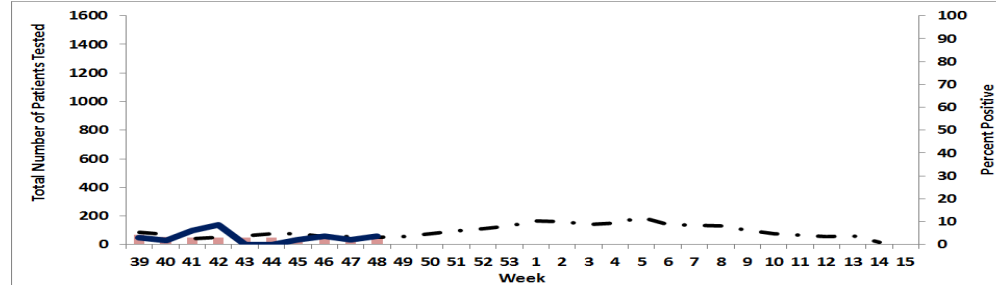
Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	9
18-29	0	0	4
30-39	0	0	3
40-49	0	0	2
50-59	0	1	1
60+	0	0	0
Total	0	2	19

Regional Health Command - Europe (RHC-E)



Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	3
18-29	0	0	0
30-39	0	0	0
40-49	0	0	0
50-59	0	0	0
60+	0	0	0
Total	0	1	3

Regional Health Command - Pacific (RHC-P)



Week 48			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	10
18-29	0	0	5
30-39	0	0	0
40-49	0	0	0
50-59	0	0	1
60+	0	0	0
Total	0	2	16

Number of Positive Influenza A Specimens by Duty Status and Region

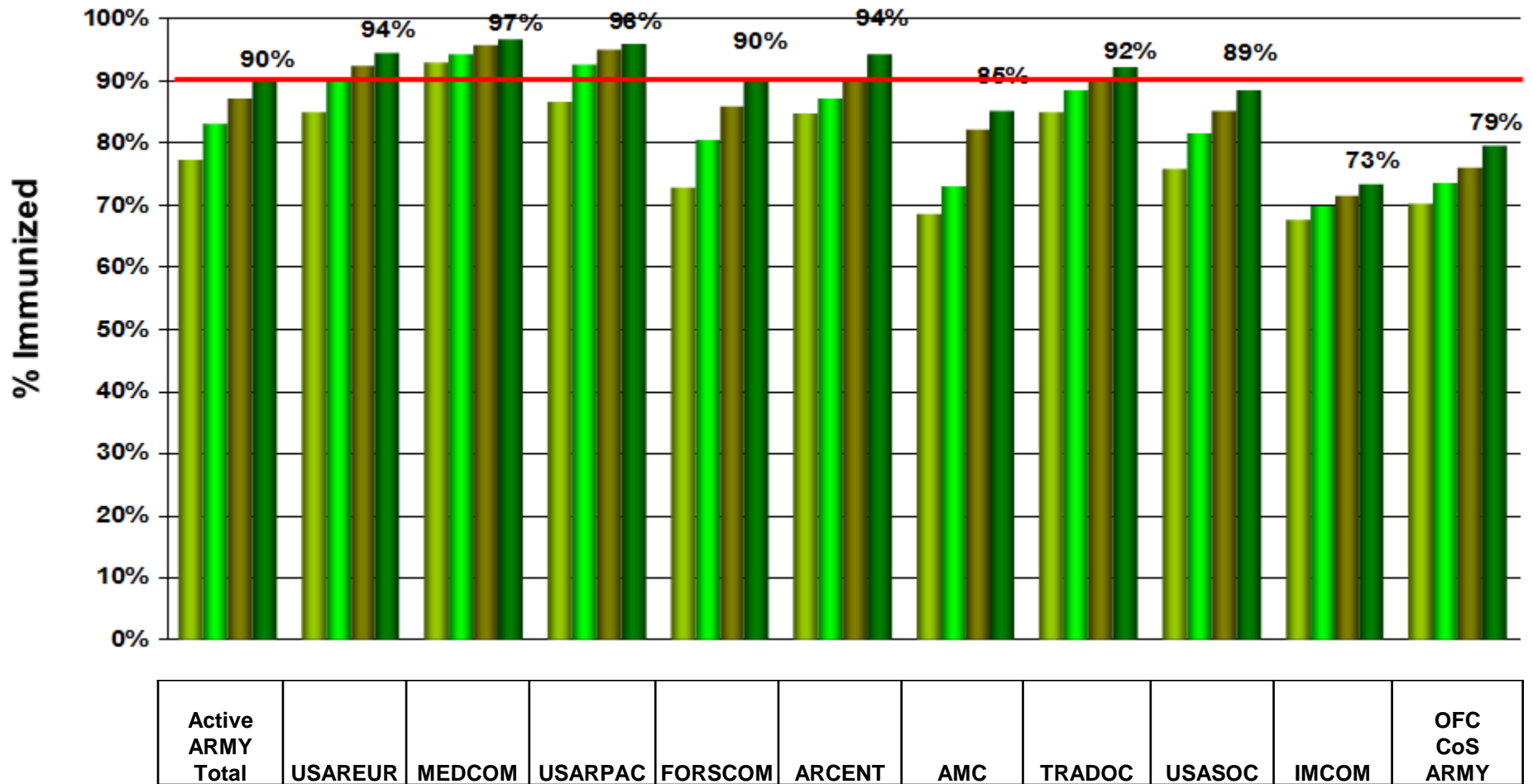
Region	Week 41		Week 42		Week 43		Week 44		Week 45		Week 46		Week 47		Week 48	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
RHC-A	0	1	0	1	0	2	0	3	1	1	1	3	0	1	0	2
RHC-C	0	2	0	1	0	0	1	0	1	2	0	3	0	3	0	2
RHC-E	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
RHC-P	0	3	1	3	0	0	0	0	0	1	0	2	0	1	0	2
CENTCOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Locations providing week 48 laboratory data as of 9 December 2015: Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Irwin, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, West Point, and Walter Reed.



Seasonal Influenza Immunization Status

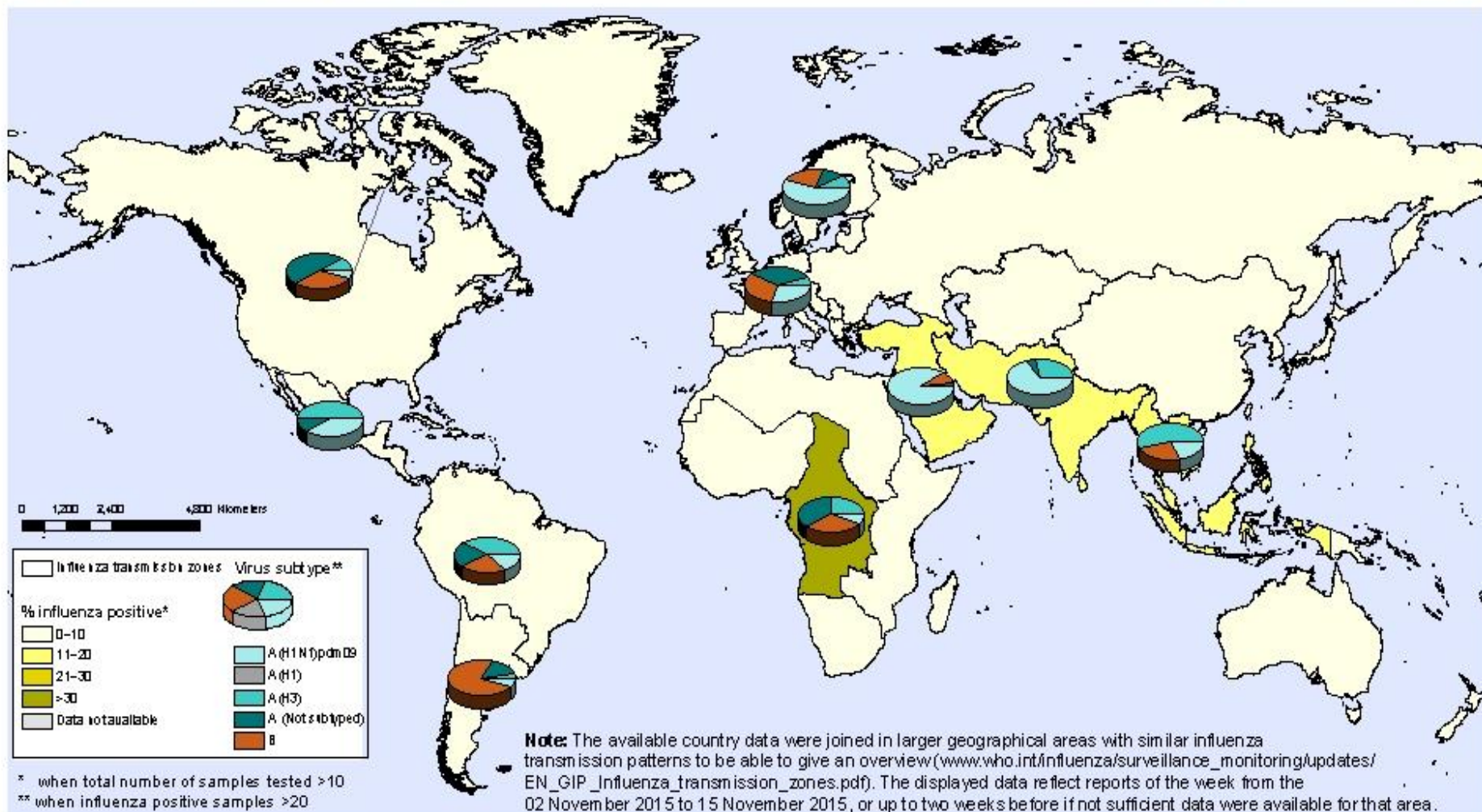
Weekly Army (COMPO 1) compliance as of 11 December 2015



Data Source: MEDPROS
Previous weeks included for comparison

Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

Status as of 26 November 2015



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: Global Influenza Surveillance and Response System (GISRS), FluNet (www.who.int/fluinet).



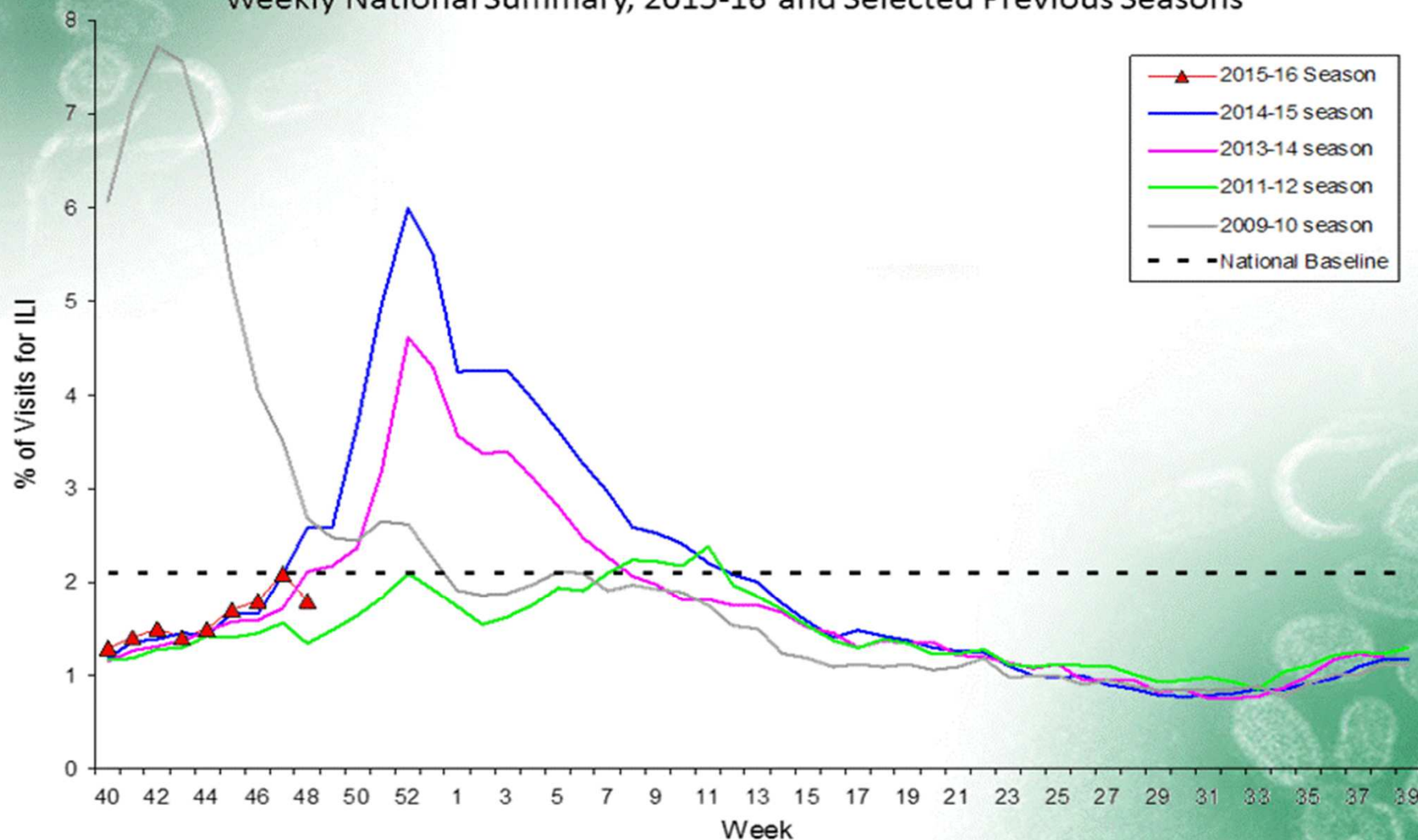
©WHO 2015. All rights reserved.

FLUVIEW

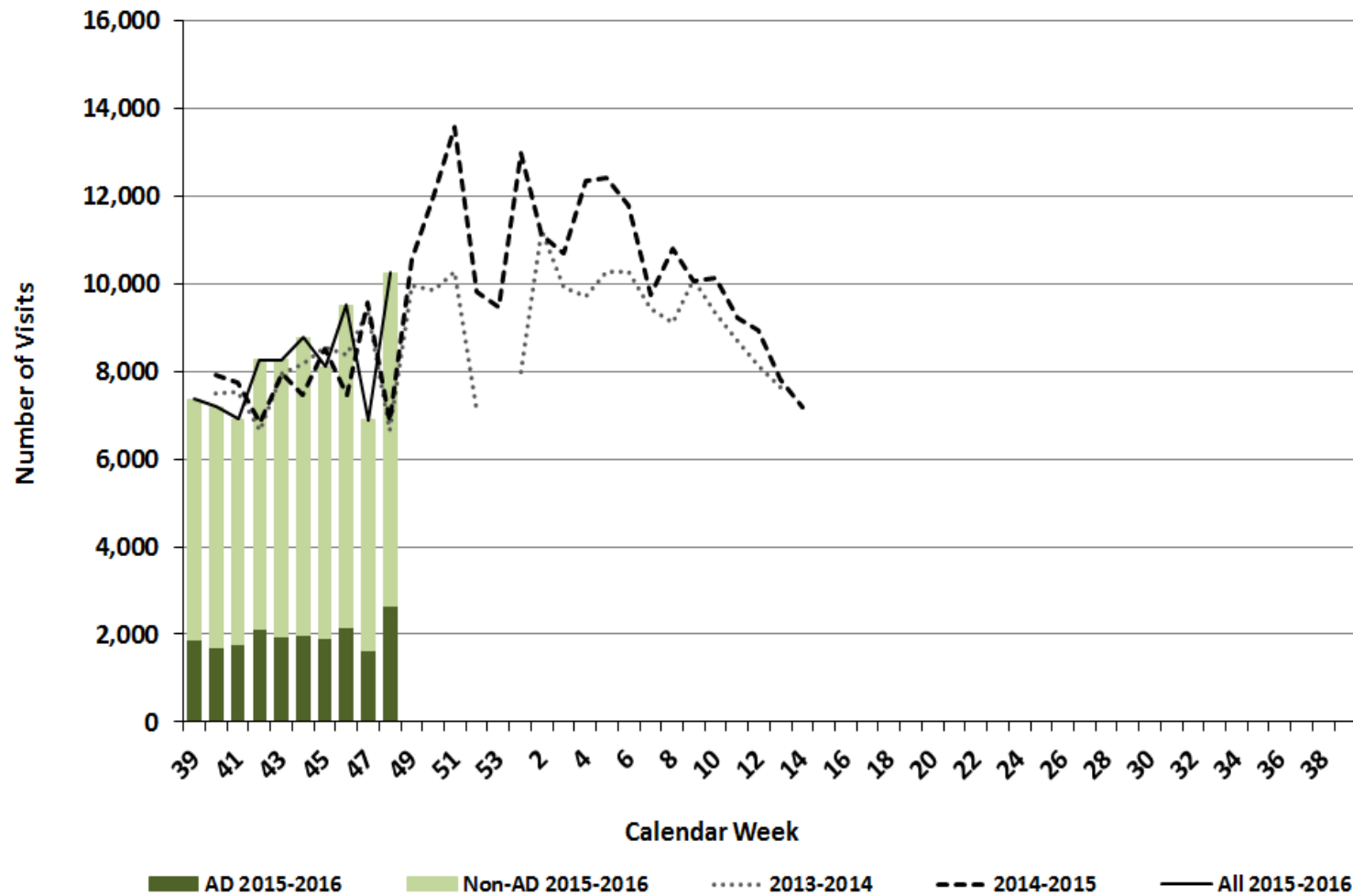


A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Percentage of Visits for Influenza-like Illness (ILI) Reported by
the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet),
Weekly National Summary, 2015-16 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness
Army MTFs, All Services, 2013-2016

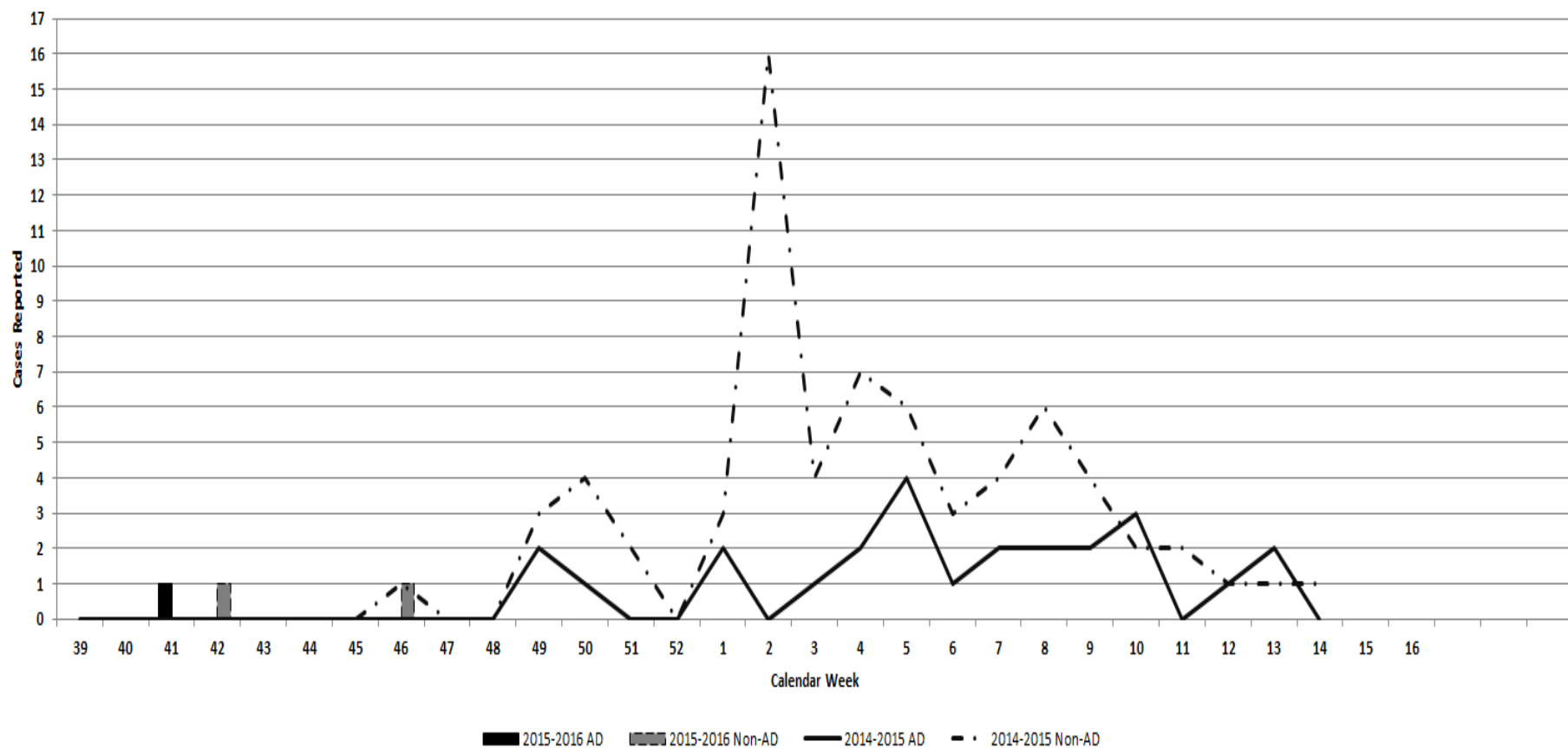


Clinic visits for ILI are obtained from ESSENCE. Data as of 9 December 2015.

Army MTF Laboratory Results, 2015-16

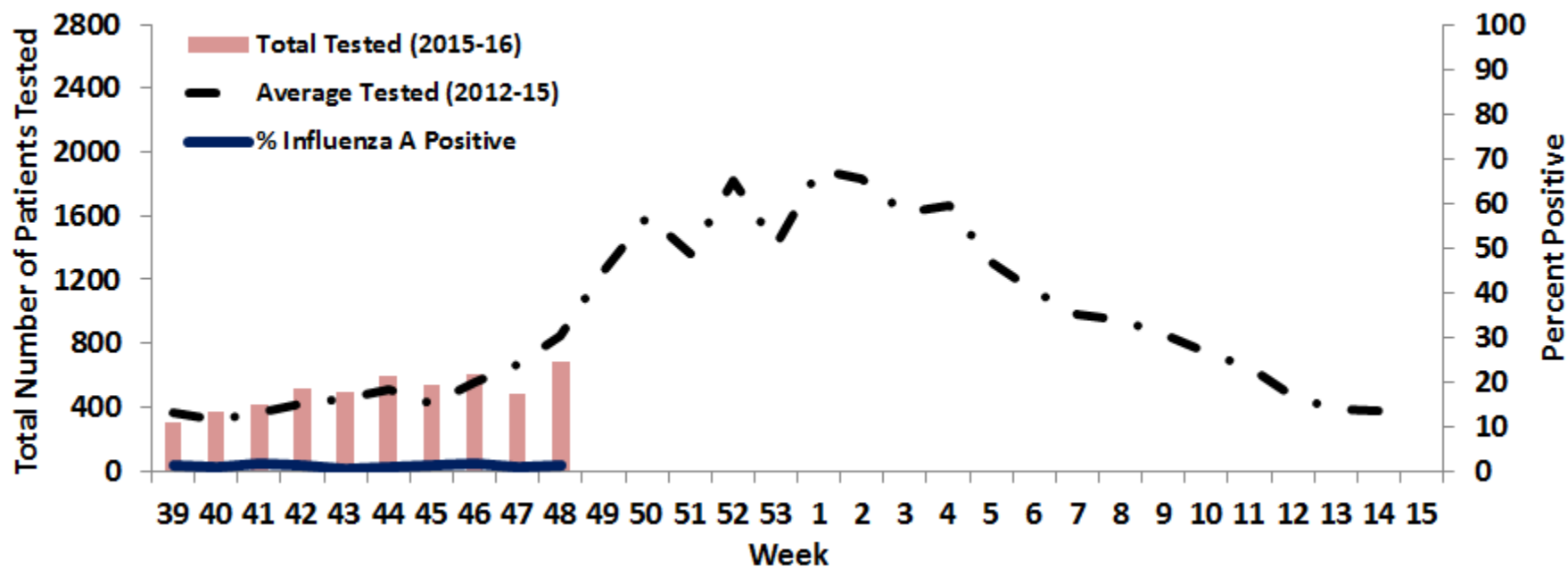
Test Result	Week 45	Week 46	Week 47	Week 48	Season Total
Influenza A	6	9	5	8	55
Influenza B	0	4	3	5	28
Adenovirus	6	16	6	8	65
Enterovirus	1	1	0	0	6
Parainfluenza	11	12	11	9	133
RSV	47	56	80	66	434
<i>Negative</i>	<i>589</i>	<i>658</i>	<i>526</i>	<i>738</i>	5425
Total Results	660	756	631	834	6146

Army Influenza Cases Reported in DRSi by Week of Symptom Onset

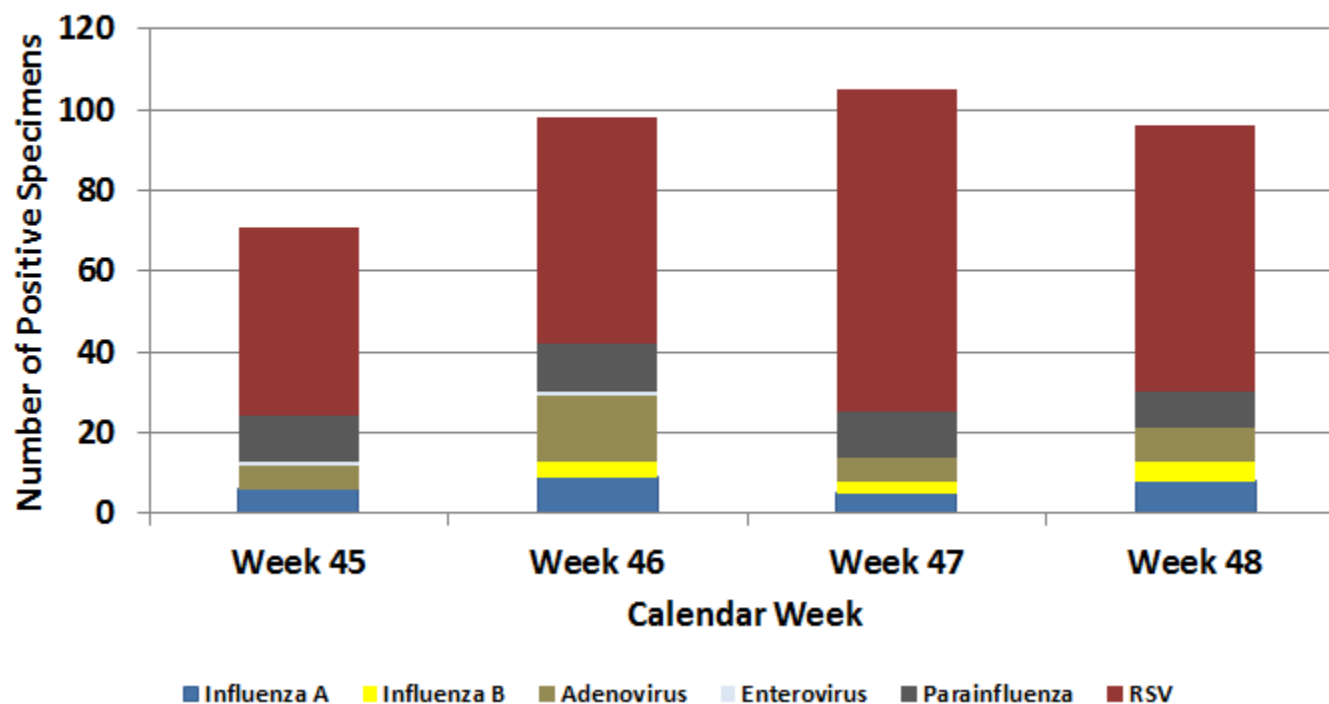


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
Data as of 9 December 2015.

Proportion of Positive Influenza A Specimens for U.S. Army 2015-2016



Positive Respiratory Specimen Results from Army MTFs by Virus, 2015-2016 Influenza Season



Number of Positive Influenza A Specimens by Duty Status and Region

[illegible]